L Number	Hits	Search Text	DB	Time stamp
45	58	56/$.ccls. and trimmer and universal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:11
51	273	56/$.ccls. and trimmer and "electric motor"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:11
173	119	56/$.ccls. and ("lower handle" or "second handle")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:42
174	83	56/$.ccls. and ("lower grip" or "second handle")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:48
175	1397	(56/12.5,12.7,13.6,17.1,).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:49
—	569	(56/12.7).CCLS.	USPAT	2002/08/09 14:38
—	130	((56/12.7).CCLS.) and wheel	USPAT	2002/08/08 10:29
—	22	"trimmer" and "weed" and "pivot" and (wheel or roller)	USPAT	2002/08/08 15:08
—	519	"trimmer" and "pivot" and (wheel or roller)	USPAT	2002/08/08 15:09
—	38	"trimmer" and "pivot" and "weed"	USPAT	2002/08/08 15:13
—	688	"universal joint" and bracket and pivot and handle	USPAT	2002/08/08 15:14
—	2	"universal joint" and bracket and "dual pivot" and handle	USPAT	2002/08/08 15:15
—	15	"universal joint" and "dual pivot"	USPAT	2002/08/08 15:17
—	2375	"universal joint" and bracket and pivot	USPAT	2002/08/08 15:19
—	36739	56/$.ccls.	USPAT	2002/08/08 16:24
—	416	56/$.ccls. and "universal joint"	USPAT	2002/08/08 16:24
—	1	("2514278").PN.	USPAT	2002/11/14 10:11
—	0	2514278.URPN.	USPAT	2002/11/14 10:10
—	0	2514278.URPN.	USPAT	2002/11/14 10:10
—	1	("2796715").PN.	USPAT	2002/11/14 10:12
—	6	2796715.URPN.	USPAT	2002/11/14 10:11
—	1	("0456472").PN.	USPAT	2002/11/14 10:14
—	1	456472.URPN.	USPAT	2002/11/14 10:12
—	56	(56/12.5).CCLS.	USPAT	2002/11/14 10:15
—	438	(56/13.6).CCLS.	USPAT	2002/11/14 10:17
—	193	(56/17.1).CCLS.	USPAT	2002/11/14 10:17

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–	375	"universal joint" and wheel and caster	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 17:56
–	127	"universal joint" and wheel and caster and handle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 18:05
–	337	"universal joint" and wheel and caster	USPAT	2003/04/09 18:05
–	218	("universal joint" and wheel and caster) not ("universal joint" and wheel and caster and handle)	USPAT	2003/04/09 18:22
–	3074	"universal joint" and handle	USPAT	2003/04/09 18:06
–	15967	"universal joint"	USPAT	2003/04/09 18:06
–	7492	"universal joint" and wheel	USPAT	2003/04/09 18:06
–	119	"universal joint" and wheel and caster and handle	USPAT	2003/04/09 18:07
–	337	"universal joint" and wheel and caster	USPAT	2003/04/09 18:07
–	416	"universal joint" and caster	USPAT	2003/04/09 18:22
–	79	("universal joint" and caster) not (("universal joint" and wheel and caster) or ("universal joint" and wheel and caster and handle))	USPAT	2003/04/09 18:26
–	1360	"universal joint" and (mop or broom or sweep or vacuum)	USPAT	2003/04/09 18:26
–	970	"universal joint" and (mop or broom or vacuum)	USPAT	2003/04/09 18:26
–	940	"universal joint" and (mop or vacuum)	USPAT	2003/04/09 18:26
–	53	"universal joint" and mop	USPAT	2003/04/09 18:30
–	895	"universal joint" and vacuum	USPAT	2003/04/09 18:30
–	38	"universal joint" and vacuum and caster	USPAT	2003/04/09 18:33
–	1884	"universal joint" and bevel	USPAT	2003/04/09 18:33
–	1418	"universal joint" and "bevel gear"	USPAT	2003/04/09 18:33
–	9	"universal joint" and "bevel gear" and trimmer	USPAT	2003/04/09 18:33
–	375	"universal joint" and wheel and caster	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 18:55
–	111	"universal joint" and vegetation	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 18:55

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–	10	("2564201" | "2673366" | "2790292" | "3774379" | "3788049" | "4043101" | "4127938" | "4224784" | "4463493" | "4531350").PN.	USPAT	2004/01/23 14:48
–	20	4704849.URPN.	USPAT	2004/01/23 14:49
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–	14	5408816.URPN.	USPAT	2004/01/23 16:10
–	20	4704849.URPN.	USPAT	2004/01/23 16:11
–	10	("2608043" | "4182100" | "4442659" | "4531350" | "4688376" | "4704849" | "4922694" | "5092112" | "5095687" | "5279102").PN.	USPAT	2004/01/23 17:15
–	14	5408816.URPN.	USPAT	2004/01/23 17:28
–	9	("3828392" | "4182100" | "4287709" | "4411126" | "4688376" | "4756147" | "4845929" | "4922694" | "5095687").PN.	USPAT	2004/01/23 17:30
–	7	5287683.URPN.	USPAT	2004/01/23 17:31
–	6	("3788049" | "4182100" | "4442659" | "4531350" | "4688376" | "4704849").PN.	USPAT	2004/01/23 17:41
–	26	5092112.URPN.	USPAT	2004/01/23 17:41
–	5	("4077191" | "4343139" | "4389836" | "4411126" | "4512143").PN.	USPAT	2004/01/23 17:43

–		32	4688376.URPN.	USPAT	2004/01/23 17:43
–		11	("3664102" | "3815234" | "3826068" | "4024635" | "4095338" | "4136446" | "4169311" | "4183138" | "4249311" | "4250623" | "4271595").PN.	USPAT	2004/01/23 17:45
–		27	4356686.URPN.	USPAT	2004/01/23 17:46
–		3	("3218789" | "4097991" | "4114269").PN.	USPAT	2004/01/23 17:49
–		20	4202094.URPN.	USPAT	2004/01/23 17:49
–		3	("4024635" | "4043103" | "4068377").PN.	USPAT	2004/01/23 17:50
–		9	4137694.URPN.	USPAT	2004/01/23 17:51
–		10	("2564201" | "2673366" | "2790292" | "3774379" | "3788049" | "4043101" | "4127938" | "4224784" | "4463493" | "4531350").PN.	USPAT	2004/01/23 17:51
–		20	4704849.URPN.	USPAT	2004/01/23 17:51
–		5	("2608043" | "4848746" | "4924573" | "5558057" | "5651418").PN.	USPAT	2004/01/23 17:52
–		1	6260278.URPN.	USPAT	2004/01/23 17:52
–		6	("3561199" | "3977078" | "4182100" | "4343139" | "4389836" | "4411126").PN.	USPAT	2004/01/23 17:53
–		29	4531350.URPN.	USPAT	2004/01/23 17:54
–		11	("4182100" | "4442659" | "4531350" | "4688376" | "4704849" | "4879869" | "5092112" | "5222750" | "5408816" | "5450715" | "5836142").PN.	USPAT	2004/01/23 17:55
–		6	5970694.URPN.	USPAT	2004/01/23 17:56
–		9	("3018602" | "3996726" | "4018037" | "4389836" | "4688376" | "4879869" | "4936886" | "5313770" | "5408816").PN.	USPAT	2004/01/23 17:57
–		10	5771670.URPN.	USPAT	2004/01/23 17:57
–		20	("D175262" | "1013605" | "2038697" | "2235045" | "2321981" | "2531131" | "3031207" | "3528676" | "3547458" | "3788662" | "3873119" | "4222580" | "4993726" | "5046749" | "5088751" | "5180179" | "5183280" | "5185992" | "5472220" | "5599037").PN.	USPAT	2004/01/23 17:58
–		7	5806867.URPN.	USPAT	2004/01/23 18:07
–		0	20020189221.URPN.	USPAT	2004/01/23 18:07
–		12	2038697.URPN.	USPAT	2004/01/23 18:07
–		4	("3210091" | "2481837" | "2904345" | "D185203").PN.	USPAT	2004/01/23 18:08
–		5	3788662.URPN.	USPAT	2004/01/23 18:09
–		3	("2775857" | "3823472" | "4023332").PN.	USPAT	2004/01/23 18:09
–		3	4127938.URPN.	USPAT	2004/01/23 18:09
–		11	("1970290" | "2038697" | "2893044" | "3019462" | "3102289" | "3599272" | "3694263" | "3896521" | "3992747" | "4083077" | "4164055").PN.	USPAT	2004/01/23 18:10
–		13	4266317.URPN.	USPAT	2004/01/23 18:10
–		3	("2730320" | "4182100" | "4389836").PN.	USPAT	2004/01/23 18:11

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–	45	4442659.URPN.	USPAT	2004/01/23 18:12
–	12	2038697.URPN.	USPAT	2004/01/25 16:45
–	6	("3561199" | "3977078" | "4182100" | "4343139" | "4389836" | "4411126").PN.	USPAT	2004/01/25 16:47
–	29	4531350.URPN.	USPAT	2004/01/25 16:47
–	5	("4182100" | "4531350" | "4829755" | "4936886" | "5626006").PN.	USPAT	2004/01/25 16:50
–	5	("4077191" | "4343139" | "4389836" | "4411126" | "4512143").PN.	USPAT	2004/01/25 16:56
–	32	4688376.URPN.	USPAT	2004/01/25 16:57
–	6	("3382653" | "3465505" | "3702016" | "4688376" | "4942726" | "5090185").PN.	USPAT	2004/01/25 17:01
–	7	5653096.URPN.	USPAT	2004/01/25 17:02
–	10	("2564201" | "2673366" | "2790292" | "3774379" | "3788049" | "4043101" | "4127938" | "4224784" | "4463493" | "4531350").PN.	USPAT	2004/01/25 17:04
–	20	4704849.URPN.	USPAT	2004/01/25 17:05
–	20	("2608043" | "2721433" | "2812950" | "2932526" | "3587749" | "4182100" | "4224784" | "4389836" | "4411126" | "4428183" | "4442659" | "4512143" | "4531350" | "4587800" | "4688376" | "4704849" | "4712363" | "4735425" | "4796415" | "4829755").PN.	USPAT	2004/01/25 17:05
–	35	4922694.URPN.	USPAT	2004/01/25 17:06
–	14	("0964178" | "1129713" | "1219049" | "1586294" | "1724702" | "2761732" | "2820642" | "3120327" | "3134461" | "3652014" | "3795254" | "3931931" | "4203609" | "4580726").PN.	USPAT	2004/01/25 17:08
–	10	4984746.URPN.	USPAT	2004/01/25 17:08
–	7	("0294211" | "0344661" | "0345090" | "0808739" | "0909297" | "2518032" | "4222580").PN.	USPAT	2004/01/25 17:09
–	11	5088751.URPN.	USPAT	2004/01/25 17:09
–	28	("2638730" | "3221481" | "3788049" | "3977078" | "4009560" | "4182100" | "4224784" | "4358123" | "4442659" | "4512143" | "4587800" | "4624321" | "4679385" | "4688376" | "4703613" | "4704849" | "4712363" | "4756147" | "4796415" | "4802327" | "4829755" | "4845929" | "4891931" | "4914899" | "4922694" | "4936886" | "4953294" | "4981012").PN.	USPAT	2004/01/25 17:10
–	11	5279102.URPN.	USPAT	2004/01/25 17:11
–	15	("4182100" | "4411126" | "4442659" | "4512143" | "4531350" | "4688376" | "4704849" | "4756147" | "4796415" | "4922694" | "4936886" | "5045615" | "5092112" | "5233818" | "5287683").PN.	USPAT	2004/01/25 17:13
–	0	5850728.URPN.	USPAT	2004/01/25 17:13
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–	10	("0556616" | "0597337" | "4182100" | "4224784" | "5301757" | "5317807" | "5351762" | "5408816" | "5626006" | "5829236").PN.	USPAT	2004/01/25 17:13

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—	1	6009694.URPN.	USPAT	2004/01/25 17:14
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—	0	6345489.URPN.	USPAT	2004/01/25 17:16
—	3	("5603205" | "5771670" | "6260278").PN.	USPAT	2004/01/25 17:16
—	0	6516598.URPN.	USPAT	2004/01/25 17:16
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—	7	D285079.URPN.	USPAT	2004/01/25 17:17
—	11	("D285079" | "2608043" | "4182100" | "4531350" | "4688376" | "4704849" | "4879869" | "4922694" | "5092112" | "5279102" | "5317807").PN.	USPAT	2004/01/25 17:18
—	2	D357690.URPN.	USPAT	2004/01/25 17:18
—	16	("D285079" | "D356583" | "D357690" | "4182100" | "4411126" | "4442659" | "4512143" | "4531350" | "4688376" | "4704849" | "4796415" | "4922694" | "4936886" | "5092112" | "5408816" | "5471824").PN.	USPAT	2004/01/25 17:18
—	0	D398615.URPN.	USPAT	2004/01/25 17:19
—	2	2564201.URPN.	USPAT	2004/01/25 17:19
—	15	2608043.URPN.	USPAT	2004/01/25 17:20
—	4	2721433.URPN.	USPAT	2004/01/25 17:21
—	11	3382653.URPN.	USPAT	2004/01/25 17:22
—	14	3587749.URPN.	USPAT	2004/01/25 17:26
—	11	("1482954" | "2564201" | "2719396" | "2763116" | "2794308" | "2879074" | "2882668" | "3147987" | "3199277" | "3624989" | "3664099").PN.	USPAT	2004/01/25 17:26
—	8	2763116.URPN.	USPAT	2004/01/25 17:27
—	14	3802173.URPN.	USPAT	2004/01/25 17:29
—	5	("3152431" | "2763116" | "2898723" | "3196971" | "2582177").PN.	USPAT	2004/01/25 17:30

C:\APPS\EAST\Workspaces\09944922.wsp

–	3	3780504.URPN.	USPAT	2004/01/25 17:31
–	4	2582177.URPN.	USPAT	2004/01/25 17:31
–	8	2898723.URPN.	USPAT	2004/01/25 17:32
–	8	3196971.URPN.	USPAT	2004/01/25 17:33
–	3	("2730320" | "4182100" | "4389836").PN.	USPAT	2004/01/25 17:34
–	45	4442659.URPN.	USPAT	2004/01/25 17:34
–	5	("3163438" | "3881564" | "3917922" | "4440588" | "4447288").PN.	USPAT	2004/01/25 17:39
–	14	4744855.URPN.	USPAT	2004/01/25 17:39
–	11	("1612446" | "2392926" | "2490947" | "4062429" | "4358005" | "4838396" | "4969660" | "5178244" | "5197579" | "5269044" | "5339934").PN.	USPAT	2004/01/25 17:41
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–	22	("1007512" | "2864100" | "3244437" | "4003668" | "4524484" | "4594824" | "4793646" | "4904379" | "4932176" | "5105752" | "5209176" | "5271682" | "5333422" | "5336012" | "5337989" | "5343587" | "5387048" | "5449100" | "5515574" | "5591507" | "5799357" | "5940933").PN.	USPAT	2004/01/25 17:42
–	27	("2523439" | "2857725" | "2948544" | "3382653" | "4246677" | "4280246" | "4321784" | "4349937" | "4349938" | "4368806" | "4385414" | "4669580" | "4706328" | "4835952" | "4870811" | "5020310" | "5210998" | "5232071" | "5269125" | "5297379" | "5355664" | "5463855" | "5497856" | "5653096" | "5799366" | "5829096" | "5899469").PN.	USPAT	2004/01/25 17:43
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–	7	4633658.URPN.	USPAT	2004/01/25 17:48
–	0	6370854.URPN.	USPAT	2004/01/25 17:48
–	8	2648187.URPN.	USPAT	2004/01/25 17:49
–	5	("3017733" | "2648187" | "2862376" | "3587749" | "3034275").PN.	USPAT	2004/01/25 17:51
–	14	3774379.URPN.	USPAT	2004/01/25 17:51
–	4	2582177.URPN.	USPAT	2004/01/25 17:55

| | 23 | "4756147" | USPAT;
US-PGPUB;
EPO; JPO;
DERWENT | 2004/01/25
18:39 |
| - | 1382 | ((56/12.7) or (56/17.1) or (56/12.5) or (56/13.6)).CCLS. | USPAT;
US-PGPUB;
EPO; JPO;
DERWENT | 2004/01/25
18:39 |